

not. multicolor effect in sunlight  
w/ dyed core

DERWENT-ACC-NO: 1976-61017X

DERWENT-WEEK: 197632

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TITLE: Composite fibre giving iridescent  
effects in sunlight -  
with a cholesteric liq. crystal  
impregnated into the core  
filaments

PATENT-ASSIGNEE: UNITIKA LTD[NIRA]

PRIORITY-DATA: 1971JP-0092849 (November 19, 1971)

PATENT-FAMILY:

| PUB-NO        | PAGES | PUB-DATE      | MAIN-IPC |
|---------------|-------|---------------|----------|
| JP 76022547 B |       | July 10, 1976 | N/A      |
| 000           | N/A   |               |          |

INT-CL (IPC): D03D015/00

ABSTRACTED-PUB-NO: JP 76022547B

BASIC-ABSTRACT:

An iridescent textile is fabricated from composite fibres consisting of a core filament and sheath filaments. A cholesteric liq. crystal contg. a pigment or a dye is impregnated into the core filament. The sheath filament comprises polyamide, polyester(-ether), polyethylene or polypropylene. The cholesteric liq. crystal is suitably cholesteryl-oleate, cholesteryl-oleylcarbonate or cholesteryl-octanoate. On exposure to sunlight the textile provides a multicoloured effect.

TITLE-TERMS: COMPOSITE FIBRE IRIDESCENT EFFECT SUNLIGHT  
CHOLESTERIC LIQUID  
CRYSTAL IMPREGNATE CORE FILAMENT

DERWENT-CLASS: A94 E15 F07

CPI-CODES: A12-L03; A12-S05B; E01; F01-E;

CHEMICAL-CODES:

Chemical Indexing M5 \*01\*

Fragmentation Code

S000 S005 S303 S317 S703 S032 S131 S133 S134 S142

S143 S750 S730 S732 S735 S736 S755 S762 U563 U560

M902

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Multipunch Codes: 012 035 038 04- 041 046 047 050 141 143

144 147 305 33& 481

483 516 521 664 688